



# STIC Search Report

EIC 3600

STIC Database Tracking Number: 10/680875

To: John Sotomayor  
Location: 4D39  
Art Unit : 3662  
Thursday, May 26, 2005

Case Serial Number: 10/680875

From: Etelka R. Griffin  
Location: EIC 3600  
KNOX/4B68  
Phone:571-272-4230

[Etelka.griffin@uspto.gov](mailto:Etelka.griffin@uspto.gov)

## Search Notes

Pat#6300897



Source: [Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility, Design and Plant Patents](#)   
Terms: [patno=6300897](#) ([Edit Search](#))

347683 (09) 6300897 October 9, 2001

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

**6300897**

♦ [Get Drawing Sheet 1 of 9](#)

[Access PDF of Official Patent](#) \*

[Check for Patent Family Report PDF availability](#) \*

\* Note: A transactional charge will be incurred for downloading an Official Patent or Patent Family Report. Your acceptance of this charge occurs in a later step in your session. The transactional charge for downloading is outside of customer subscriptions; it is not included in any flat rate packages.

[Link to Claims Section](#)

October 9, 2001

Stabilization in a radar level gauge

**APPL-NO:** 347683 (09)

**FILED-DATE:** July 2, 1999

**GRANTED-DATE:** October 9, 2001

**CORE TERMS:** frequency, clock, gauge, radar, sample, tank, electronic, timer, measurement, controller ...

**ENGLISH-ABST:**

A radar gauge adapted to sense fluid level in a tank and including a radar gauge circuit in which radar transmission and level sampling are controlled by a transmit frequency and a sample frequency respectively. A first frequency separation between first and second frequencies is controlled by a control input. The first and second frequencies can be divided to generate the transmit and sample frequencies, separated by a second frequency separation. At least one frequency difference is evaluated and the evaluation used to generate the control input, stabilizing the first frequency difference, and to correct the gauge output.

Source: [Legal > Area of Law - By Topic > Patent Law > Patents > U.S. Patents > Utility, Design and Plant Patents](#)   
Terms: [patno=6300897](#) ([Edit Search](#))  
View: [Custom](#)  
Segments: Abst, Date, English-abst, Granted-date, Reissue-comment  
Date/Time: Thursday, May 26, 2005 - 10:35 AM EDT

[About LexisNexis](#) | [Terms and Conditions](#)

**No Documents Found!**

*Patent Cases from Federal Courts and  
Administrative Materials*  
No documents were found for your search (6300897 or 6,300,897).  
Click the "Edit Search" button below to try again. You may want to  
try one or more of the following:

- Check for spelling errors.
- Remove some search terms.
- Use a less restrictive date range.
- Use more common search terms. "Suggested Words and  
Concepts" are displayed on the search form when you click  
on Edit Search.

---

[Edit Search](#)

[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

**No Documents Found!**

No documents were found for your search (6300897 or 6300897).  
Click the "Edit Search" button below to try again. You may want to try one or more of the following:

- Check for spelling errors.
- Remove some search terms.
- Use a less restrictive date range.
- Use more common search terms. "Suggested Words and Concepts" are displayed on the search form when you click on Edit Search.

---

[Edit Search](#)[About LexisNexis](#) | [Terms and Conditions](#)

Copyright © 2005 LexisNexis, a division of Reed Elsevier Inc. All rights reserved.

1 / 1 PLUSPAT - QUESTEL-ORBIT - image

**Patent Number :**

US6300897 B1 20011009 [US6300897]

**Title :**

(B1) Stabilization in a radar level gauge

**Patent Assignee :**

(B1) ROSEMOUNT INC (US)

**Patent Assignee :**

Rosemount Inc., Eden Prairie MN [US]

**Inventor(s) :**

(B1) KIELB JOHN A (US)

**Application Nbr :**

US34768399 19990702 [1999US-0347683]

**Priority Details :**

US34768399 19990702 [1999US-0347683]

**Intl Patent Class :**

(B1) G01S-013/08

**EPO ECLA Class :**

G01F-023/284

**US Patent Class :**

ORIGINAL (O) : 342124000; CROSS-REFERENCE (X) : 342082000 342085000

**Document Type :**

Corresponding document

**Citations :**

US4044353; US4737791; US4847623; US5563605; US5651286; US5659321;

US5672975; US5701006; US5851083; US6072427; US6087978; US6107957;

US6130637; US6137438; DE29815069 U; WO9814763

"Smart Transmitter Using Microwave Pulses to Measure the Level of Liquids and Solids in Process Applications," H. Lang et al., OISA, pp. 731-742 (1993).

Electronics Designer's Handbook, 2nd Edition, Giacoletto, p. 25-10 (1977).

**Publication Stage :**

(B1) U.S. Patent (no pre-grant pub.) after Jan. 2, 2001

**Abstract :**

A radar gauge adapted to sense fluid level in a tank and including a radar gauge circuit in which radar transmission and level sampling are controlled by a transmit frequency and a sample frequency respectively. A first frequency separation between first and second frequencies is controlled by a control input. The first and second frequencies can be divided to generate the transmit and sample frequencies, separated by a second frequency separation. At least one frequency difference is evaluated and the evaluation used to generate the control input, stabilizing the first frequency difference, and to correct the gauge output.

**Update Code :**

2001-42

1 / 1 LGST - GEPO

**Patent Number :**

US6300897 B1 20011009 [US6300897]

**Application Number :**

US34768399 19990702 [1999US-0347683]

**Action Taken :**

20040810 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20031007

**Update Code :**

2004-34

1 / 1 CRXX - @CLAIMS/RRX

**Patent Number :**

6,300,897 A 20011009 [US6300897]

**Patent Assignee :**

Rosemount Inc

**Actions :**

20031007 REISSUE REQUESTED

ISSUE DATE OF O.G.: 20040810

REISSUE REQUEST NUMBER: 10/680875

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3662

Reissue Patent Number:

1 / 1 INPADOC - @INPADOC

**Patent Number :**

US 6300897 BA 20011009 [US6300897]

**Title :**

STABILIZATION IN A RADAR LEVEL GAUGE

**Inventor(s) :**

KIELB JOHN A [US]

**Patent Assignee (Words) :**

ROSEMOUNT INC [US]

**Application Details :**

US 347683/99-A 19990702 [1999US-0347683]

**Priority Details :**

US 347683/99-A 19990702 [1999US-0347683]

**Intl. Patent Class. :**

G01S-013/08

1 / 1 LGST - @EPO

**Patent Number :**

US6300897 B1 20011009 [US6300897]

**Application Number :**

US34768399 19990702 [1999US-0347683]

**Action Taken :**

20040810 US/RF-A

REISSUE APPLICATION FILED

EFFECTIVE DATE: 20031007

**Update Code :**

2004-34

- Drafts
- Pending
- Active

- L1: (1) ("6300897").PN.
- L2: (17) Combined citation search 1
- L3: (17) US-5701006-\$ or US-5672975-\$ or US-6842139-\$ or US-6831594-\$ or US-6628229-\$ or US-6130...
- L4: (31) (RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AN...
- L5: (36) (RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AN...
- L6: (36) (RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AN...
- L7: (36) (RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AN...
- L8: (36) (RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AN...
- L9: (14) 3 and @ad<="19990702"
- L10: (20) 8 and @ad<="19990702"
- L11: (15) 10 not 9
- L12: (342/124) or (342/135) or (342/195) or (342/82) or (342/93) or (342/84) or (342/85)
- L13: (756) 12 and @ad<="19990702"
- L14: (53) 13 and @pd>="20010301"
- L15: (53) (US-6279851-\$ or US-6570526-\$ or US-6198427-\$ or US-6400310-\$ or US-6246358-\$ or US-638...
- L16: (20) (RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AN...
- L17: (1) L16 and 15

- Failed

- Saved

- S7: (857) ("342/124") or ("342/135") or ("342/195") or ("342/82") or ("342/93") or ("342/84") or...
- S8: (396) RADAR AND GAUGE AND LEVEL
- S9: (39977) FIRST ADJ3 FREQUENCY
- S10: (41458) SECOND ADJ3 FREQUENCY
- S11: (400545) CLOCK
- S12: (13) (RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AN...
- S13: (10) (RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AN...
- S14: (927) ("342/124") or ("342/135") or ("342/195") or ("342/82") or ("342/93") or ("342/84") or...
- S15: (15) (RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AN...
- S2: (954) ("342/124") or ("342/135") or ("342/195") or ("342/82") or ("342/93") or ("342/84") or...
- S3: (11) (RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AN...
- S5: (954) ("342/124") or ("342/135") or ("342/195") or ("342/82") or ("342/93") or ("342/84") or...

Search Term	Total	INPAI	IN361	IN370	IN371
342/124	179				
342/135	263				
342/195	799				
342/82	138				
342/84	54				
342/85	91				
342/86	21				
342/87	38				
342/88	247				
342/93	178				
(342/86 OR 342/87)	1840				

Document ID	Document Title	Author/Editor	Source	Version/Date
10600875	10600875.wrd			

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("6300897").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/26 11:00
L2	17	("4044353"   "4737791"   "4847623"   "5563605"   "5651286"   "5659321"   "5672975"   "5701006"   "5851083"   "6072427"   "6087978"   "6107957"   "6130637"   "6137438").PN. OR ("6300897").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/26 11:00
L3	17	(US-5701006-\$ or US-5672975-\$ or US-6842139-\$ or US-6831594-\$ or US-6628229-\$ or US-6130637-\$ or US-6107957-\$ or US-6087978-\$ or US-5659321-\$ or US-4847623-\$ or US-4737791-\$ or US-4044353-\$ or US-6137438-\$ or US-6072427-\$ or US-5563605-\$ or US-5851083-\$ or US-5651286-\$).did.	USPAT	OR	ON	2005/05/26 11:00
L4	31	(RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AND CLOCK	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/26 11:02
L5	36	(RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AND CLOCK	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 11:02
L6	36	(RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AND CLOCK	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 11:02
L7	36	(RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AND CLOCK	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 11:02
L8	36	(RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AND CLOCK	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 11:03

L9	14	3 and @ad<="19990702"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 11:05
L10	20	8 and @ad<="19990702"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 11:08
L11	15	10 not 9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 11:05
L12	1840	((342/124) or (342/135) or (342/195) or (342/82) or (342/93) or (342/84) or (342/85) or (342/86) or (342/87) or (342/88)). CCLS:	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/26 11:07
L13	756	12 and @ad<="19990702"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 11:08
L14	53	13 and @pd>="20010301"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 11:11

L15	53	(US-6279851-\$ or US-6570526-\$ or US-6198427-\$ or US-6400310-\$ or US-6246358-\$ or US-6384770-\$ or US-6486826-\$ or US-6320532-\$ or US-6300897-\$ or US-6549158-\$ or US-6208285-\$ or US-6239741-\$ or US-6232913-\$ or US-6232912-\$ or US-6225943-\$ or US-6211812-\$ or US-6255985-\$ or US-6268821-\$ or US-6411252-\$ or US-6255986-\$ or US-6373428-\$ or US-6417797-\$ or US-6469662-\$ or US-6204798-\$ or US-6377201-\$ or US-6252538-\$).did. or (US-6211807-\$ or US-6198424-\$ or US-6208283-\$ or US-6204800-\$ or US-6204799-\$ or US-6243036-\$ or US-6208284-\$ or US-6275187-\$ or US-6246365-\$ or US-6420994-\$ or US-6420995-\$ or US-6204801-\$ or US-6275180-\$ or US-6266004-\$ or US-6232910-\$ or US-6297763-\$ or US-6894639-\$ or US-6222481-\$ or US-6201496-\$ or US-6229475-\$ or US-6239739-\$ or US-6288775-\$ or US-6259515-\$ or US-6288777-\$ or US-6201819-\$ or US-6385266-\$ or US-6272446-\$).did.	USPAT	OR	ON	2005/05/26 11:11
L16	20	(RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AND CLOCK	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/26 11:11
L17	1	L16 and 15	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 11:11
S1	954	((342/124) or (342/135) or (342/195) or (342/82) or (342/93) or (342/84) or (342/85) or (342/86) or (342/87) or (342/88)). CCLS.	USPAT; USOCR	OR	OFF	2001/03/19 09:42
S2	954	((342/124) or (342/135) or (342/195) or (342/82) or (342/93) or (342/84) or (342/85) or (342/86) or (342/87) or (342/88)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/26 11:07
S3	11	(RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AND CLOCK	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/26 11:02

S4	11	(RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AND CLOCK	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2001/03/19 09:40
S5	954	((342/124) or (342/135) or (342/195) or (342/82) or (342/93) or (342/84) or (342/85) or (342/86) or (342/87) or (342/88)). CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/26 11:07
S6	16	(RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AND CLOCK	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 11:03
S7	857	((342/124) or (342/135) or (342/195) or (342/82) or (342/93) or (342/84) or (342/85) or (342/86) or (342/87) or (342/88)). CCLS.	USPAT; USOCR	OR	OFF	2001/03/19 09:35
S8	396	RADAR AND GAUGE AND LEVEL	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2000/06/13 08:28
S9	39977	FIRST ADJ3 FREQUENCY	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2000/06/13 08:38
S10	41458	SECOND ADJ3 FREQUENCY	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2000/06/13 08:53
S11	400545	CLOCK	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2000/06/13 08:56
S12	13	(RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AND CLOCK	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2001/03/19 09:36
S13	10	(RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AND CLOCK	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/05/26 11:01
S14	927	((342/124) or (342/135) or (342/195) or (342/82) or (342/93) or (342/84) or (342/85) or (342/86) or (342/87) or (342/88)). CCLS.	USPAT; USOCR	OR	OFF	2001/03/19 09:36

S15	15	(RADAR AND GAUGE AND LEVEL) AND (SECOND ADJ3 FREQUENCY) AND (FIRST ADJ3 FREQUENCY) AND CLOCK	USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/26 11:02
-----	----	---	--	----	----	------------------

# SEARCH NOTES FOR EAST AND IEEE AND INSPEC AND IP.COM

**SERIAL NUMBER** 10680875

## EAST SEARCH

EAST: search history attached

Search terms:

## IEEE SEARCH

Search terms:

((radar <and> level) <and> (second <and> first <and> frequency) <and> clock <and> fluid<in>metadata)

**1. South China Sea internal tide/internal waves-impact on the temporal variability of horizontal array gain at 276 Hz**

Orr, M.H.; Pasewark, B.H.; Wolf, S.N.; Lynch, J.F.; Schroeder, T.; Ching-Sang Chiu; Oceanic Engineering, IEEE Journal of Volume 29, Issue 4, Oct. 2004 Page(s):1292 - 1307

**2. Proceedings of the 2001 American Control Conference. (Cat. No.01CH37148)**

American Control Conference, 2001. Proceedings of the 2001 Volume 1, 25-27 June 2001

**3. Applications using a low-cost baseband pulsed microwave radar sensor**

Duzdar, A.; Kompa, G.; Instrumentation and Measurement Technology Conference, 2001. IMTC 2001. Proceedings of the 18<sup>th</sup> IEEE Volume 1, 21-23 May 2001 Page(s):239 - 243 vol.1

**4. Some questions of scale in simulation, and a few answers**

Kester, J.E.; Aerospace and Electronics Conference, 1992. NAECON 1992., Proceedings of the IEEE 1992 National 18-22 May 1992 Page(s):610 - 616 vol.2

**5. Position measurements with radiosondes**

Tug, H.; Oceanic Engineering, IEEE Journal of Volume 14, Issue 2, April 1989 Page(s):208 - 210

**6. Programming a VIPER**

Buckley, T.F.; Jesty, P.H.; Computer Assurance, 1989. COMPASS '89, 'Systems Integrity, Software Safety and Process Security', Proceedings of the Fourth Annual Conference on 19-23 June 1989 Page(s):84 - 92

## INSPEC SEARCH

Search terms:

(RADAR and LEVEL) and (SECOND and FIRST and FREQUENCY) and CLOCK  
(RADAR and LEVEL) and (SECOND and FIRST and FREQUENCY) and LEVEL  
(RADAR and LEVEL) and (SECOND and FIRST and FREQUENCY) and FLUID

**INSPEC . 1969 to date (INZ)**

**Landmine detection with GPR using super resolution signal processing algorithm.**

**Author(s)**

Shrestha.S.M; Arai.I; Tomizawa.Y; Ed. by Slob.E; Yarovoy.A; Rhebergen.J.

**Source**

Proceedings of the Tenth International Conference on Ground Penetrating *Radar*, Vol.2, Delft, Netherlands,

21.24 June 2004.

Sponsors: TNO.FEL, Geophysical Survey Syst., Inc., or+D *Radar.AS*, Allied Associates, Ingegneria dei

Sistemi.SPA, Mala Geoscience, *Radar* Syst. Inc., Roadscanners, Sensors & Software, T&A Survey.

In: p.705.8 Vol.2, 2004.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**SMOS: analysis of perturbing effects over land surfaces.**

**Author(s)**

Kerr.Y.H; Secherre.F; Lastenet.J; Wigneron.J.P.

**Source**

IGARSS 2003. 2003 IEEE International Geoscience and Remote Sensing Symposium.

Proceedings, vol.2,

Toulouse, France, 21.25 July 2003.

In: p.908.10 vol.2, 2003.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

**Dual.antenna impulse radar for improved detection of buried land mines.**

**Author(s)**

Brunzell.H; Ericsson.A.

**Source**

Detection and Remediation Technologies for Mines and Minelike Targets III, Orlando, FL, USA,

13.17 April

1998.

Sponsors: SPIE.

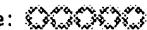
In: Proceedings of the SPIE. The International Society for Optical Engineering (USA), vol.3392, pt.1.2, p.725.34, 1998.

COPYRIGHT BY Inst. of Electrical Engineers, Stevenage, UK

# IP.COM SEARCH

Search terms:

(RADAR and LEVEL) and (SECOND and FIRST and FREQUENCY) and CLOCK

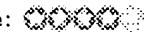
Result # 1 Relevance: 



Anti-jamming system for tracking and surveillance radar

12-Sep-2000 IPCOM000001028D English (United States)

A radar ECCM system for degrading the effect that a standoff noise jammer has on a radar receiving site that is tracking an incoming aerial target. The system effectively removes from the mainlobe of the beam emanating from the site the component of random noise contained in ...

Result # 2 Relevance: 



Infrared coherent optical sensor

12-Sep-2000 IPCOM000000928D English (United States)

A dual-beam amplitude-modulated laser transmitter/receiver suitable for laser-radar applications is scalable to high powers because there is no active modulator element that the laser beam passes through. The transceiver comprises a laser source with two separate independent ...

Result # 3 Relevance: 



DCN local-network protocols (RFC0891)

1983-12-01 IPCOM000003940D English (United States)

This document describes the local-net architecture and protocols of the Distributed Computer Network (DCN), a family of local nets based on Internet technology and an implementation of PDP11-based software called the Fuzzball. DCN local nets have been in operation for about ...

Result # 4 Relevance: 



ECM preprocessor or tracker using multi-processor modules

12-Sep-2000 IPCOM000000509D English (United States)

The tracking apparatus uses multi-processor modules for predicting in real time the parametric behaviour of radar signals to be jammed, as part of an electronic countermeasures system. The tracker system is partitioned into three board (module) types--(1) a subsystem request ...

Result # 5 Relevance: 



CCD transversal filter using weighted input

12-Sep-2000 IPCOM000000605D English (United States)

An analog transversal filter includes a charge transfer delay line, including a plurality of cells for storing electrical charge, and a multiphase clock to transfer electrical charge from cell to cell through the delay line. A plurality of injection electrodes are connected ...

Result # 6 Relevance: 



Closed loop binary digital communication system

12-Sep-2000 IPCOM00000062D English (United States)

A closed loop system for communication of binary data utilizes master or a sources and slave or data sink stations, each including a transmit buffer, a three-state transmitter, a receiver, a comparator, a three-state receiver, a receive buffer, a timer, a filter and a local ...

Result # 7 Relevance: 



PREVIEW

 ENHANCED OVERCURRENT PROTECTION SYSTEM

26-Nov-2002 IPCOM000010400D

English (United States)

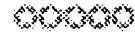
 Existing "soft hiccup" overcurrent protection circuits do not allow a power controller to recover from an overcurrent condition (even if the overcurrent condition has been cleared), unless the system is restarted by completely discharging the soft start capacitor. As an ...

---

Displaying page 1 of 1 < BACK | NEXT >

## Search terms:

(RADAR and LEVEL) and (SECOND and FIRST and FREQUENCY) and FLUID

Result # 1 Relevance: 



PREVIEW

Electrically small cavity antenna

12-Sep-2000 IPCOM000001211D

English (United States)

A supersonic aircraft or missile broad bandwidth antenna is provided. This antenna is constructed into a cavity created in the fuselage or wing of the aircraft and covered with a radome for flush mounting. The cavity comprises side walls and a bottom constructed of ...